

## **XLVI ISCEV International Symposium**

**Morgantown, West Virginia. 10–15 July 2008**

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### **Thursday, July 10, 2008**

**7:30 a.m.–5:30 p.m.**

Registration – Foyer A B C

**12:00 p.m.**

**Board Meeting with Lunch** – Puskar Boardroom

**5:00–7:00 p.m.**

**Clinical Cases Session** – Salon A, B, C, D

**7:30 p.m.**

**Reception** – Foyer FGH

### **Friday, July 11, 2008**

**7:00–8:30 a.m.**

ISCEV Approved Protocols Committee—Eberhart  
Zrenner, Chairing Session

Puskar Boardroom

**7:30 a.m.–5:30 p.m.**

Registration – Foyer A B C

**8:30 a.m.–10:00 a.m.**

Opening—Welcome by Organizers, J. Vernon Odom  
and Monique Leys;

Welcome by Judie Charlton, MD, Chair of Ophthalmology;

Opening by Michael Bach, President of ISCEV

Salon A, B, C, D

**8:45 a.m.**

### **ORAL SESSION 1. Correlation of Cortical Structure and Function**

Chairs: Michael Bach and J. Vernon Odom

**8:45 a.m.**

### **INVITED LECTURE 1. Studies of Visual Social Cognition**

Aina Puce

### **9:15 a.m. OS1-1 Multi-Harmonic Objective Response Detection in Steady-State Evoked Potentials Using Permutation Techniques**

Sven P. Heinrich and Michael Bach

### **9:30 a.m. OS1-2 Attentional Shifts have Little Effect on the Waveform of the Chromatic Onset VEP**

Michael A. Crognale and Jennifer Highsmith

### **9:45 a.m. OS1-3 Color and Orientation Processing in Macaque Area V2: Differential Response Characteristics Defined by Single Unit Electrophysiology and Optical Imaging**

Benjamin M. Ramsden and Clinton G. Cooper

**10:00 a.m. – Break**

**10:30 a.m.–12:00 p.m.**

**ORAL SESSION 2. Insight into Retinal Function—Animal Models**

Chairs: Laura Frishman and Pierre Lachapelle

**10:30 a.m. OS2-1 Transgenic Rabbit Model of Retinal Degeneration**

Mineo Kondo, Taka Sakai, Keijichi Komeima, Yukihide Kurimoto, Yuji Nishizawa, Jiro Usukura, Takashi Fujikado, Yauso Tana, Hirko Terasaki

**10:45 a.m. OS2-2 Vitamin A-Dependent Shift of Photoreceptor Sensitivity in the ERG of RPE65 Mouse Mutants**

Naoyuki Tanimoto, Marijane Samardzija, Johannes von Lintig, Vitus Oberhauser, Markus Thiersch, Charlotte E. Reme, T. Michael Redmond, Christian Grimm, Andreas Wenzel, Mathias Seeliger.

**11:00 a.m. OS2-3 Compromised Cone System Functions in MDX3CV Mice, a Model for Duchenne Muscular Dystrophy**

Bo Lei, Keqing Zhang, Yongping Yue, Dongsheng Duan

**11:15 a.m. OS2-4 Retinal Pathway Origins of the Pattern ERG (PERG)**

Xunda Luo, Gen Miura, Minhua Wang, Laura J. Frishman

**11:30 a.m. OS2-5 Photoreceptor Contributions to the full field Photopic Flicker Electroretinogram of the Rat**

Suresh Viswanathan, Christina Gant

**11:45 a.m. OS2-6 Understanding the Origins of the Mouse DC-Electroretinogram**

Neal S. Peachey

**12:00 p.m. – Lunch**

**1:00 p.m.–2:30 p.m.**

**POSTER SESSION A. Pediatrics—ERG and VEP Methods**

Chairs: Anne Fulton and Thomas Meigen

**PSA-1 The Red Electroretinogram Response, and its Relationship with Age, Gender, Body Mass Index, and Axial Length, in Normal Chinese Eyes**

Winnie Wai Ying Lau, Albert Chak Ming Wong, Edwin Chan, Clement Wai Nang Chan

**PSA-2 Early Diagnosis of Organic Amblyopia in Children Using Electroretinography**

M.S. Mridehghan, S.M. Shushtarian, M. Mirdenghan

**PSA-3 Recording of Electroretinogram and Visual Evoked Potential Under Anesthesia**

Mohammad Mehdi Shushtarian, Seyed Mohammad Masoud Shushtarian, Soheil Feizi, Tahereh Parsa, Alireza Khodyani

**PSA-4 30 Hz and Mixed Response Electroretinogram done during Anaesthesia as Predictors of Visual Outcome in Children Affected by Various Eye Diseases: 10-Year Survey**

Giulio Ruberto, Rosanna Guagliano, Donatella Barilla, Mauro Antonimi, Sara Pezzotta, Sabrina Signorini, Elisa Fazzi, Raffaella Angeli, Carmine Tinelli, Paolo Emilio Bianchi

**PSA-5 Comparison of Electroretinographical Patterns in Normal Children and Adult Population**

H. Hassani, S.M. Shushtarian

**PSA-6 Chromatic VEP in the First Year of Life—A Longitudinal Study**

Manca Tekavcic Pompe, Branka Stirn Kranjc, Jelka Breclj

**PSA-7 Neonatal Flash VEPs: Effect of Exposure to Methadone in Utero**

Ruth Hamilton, Laura McGlone, Helen Mactier, Michael Bradnam, Richard Boulton, William Borland, Mary Hepburn, Daphne McCulloch

**PSA-8 Electrophysiological Impairment is Associated with Biochemical and Histological Modifications in the Retina of Chronic Alcoholic Rats**

M. Sancho-Tello, M. Muriach, J. Barcia, F. Bosch-Morell, J.M. Genoves, S. Johnsen-Sorano, B. Romero, I. Almansa, M. Diaz-Liopis, S. Garcia-Delpech, J. Roma, C. Vilela, F.J. Romero

**PSA-9 Photopic On- and Off-Responses in Normal Korean Subjects**

Soo Young Lee, Su Eun Park, Young-Hoon Ohn

**PSA-10 Changes of Retinal Adaptation in Myopic Eye**

Wing-cheung Ho, Yiu-fai Ng, Patrick Ho-wai Chu, Ying-ying Fong, Kwun-sum Yip, Henry Ho-lung Chan

**PSA-11 Would Increasing Flash Intensity be Sufficient to Yield Similar ERG Amplitudes in the Non-dilated Eye Compared to the Dilated Eye?**

Marc Hebert, Marie-Pier Lavoie, Marie-Claude Charron, Alexandre Sasseville, Anne-Marie Gagne  
**PSA-12 Effect of Docosahexaenoic Acid Supplementation on Retinal Function in ELOVL4 Mice**

S.C. Mema, S. Kuny, F. Gaillard, K. Zhang,  
 I.M. MacDonald, M.T. Clandinin, Y. Sauve

**PSA-13 Electrophysiological Testing—Our Early Experience**

Irene Sophia Joseph, Anupama Rao, B.S. Chidamber

**PSA-14 Intra-Sessional and Inter-Sessional Variability of Multifocal Electoretinogram**

Uzeyir Erdem, Fatih Cakir Gundogan, Gungor Sobaci, Mehmet Zeki Bayraktar

**PSA-15 Establishment of Normal Ranges for the ISCEV Standard Visual Evoked Potential**

Enid Chelva, Doug Candy, John De Roach,  
 Terri McLaren, Maribel Nosce, Roger Price

**PSA-16 Steady State Pattern VEPs: Onset-Offset Checks are More Effective than Pattern Reversal for Frequency Domain Detection**

Michelle A. McIntosh, Elena Prokofyeva, Richard G. Boulton, Daphne L. McCulloch

**PSA-17 Stroboscopic and Square Wave Flicker VEPs for Visual Pathway Assessment**

Elena Prokofyeva, Michelle McIntosh, Richard G. Boulton, Daphne L. McCulloch

**PSA-18 Effects of Anisometropia on Binocular Integration in Normal Observers**

L. Lefebvre, D. Saint-Amour

**PSA-19 A Comparison of Visual Acuity Estimates from Visual Evoked Cortical Potentials, FRACT and ETDRS**

A. Kurtenbach, H. Langrova, A. Messias, E. Zrenner,  
 H. Jägle

**PSA-20 VEP Asymmetry vs. Chiasm Coefficient in Children with MRI confirmed Achiasmia**

Jelka Breclj, Maja Šuštar, Branka Stirn-Kranjc,  
 Nuška Pečarič-Meglič, Miha Škrbec

**3:00 p.m.–5:00 p.m.**

ISCEV Olympics—Ruby McQuain Park

**5:30 p.m.**

Walking dinner with ISCEV Band—Foyer FGH/  
 Patio

**Participants may choose an Evening Activity: Musical or “Film in the Park”**

**7:30 p.m.**

Buses Leave for West Side Story

**8:00 p.m.**

Westside Story

**9:00 p.m. “Film in the Park”**

Movie “Unaccompanied Minors”

**Saturday, July 12, 2008**

**7:30 a.m.–5:30 p.m.**

Registration – Foyer A B C

**7:00–8:30 a.m.**

Springer – Documenta Ophthalmologica – Editorial Board Meeting–Puskar Boardroom

**8:30–10:00 a.m.**

**ORAL SESSION 3. Low Vision and Retinal Function**

Chairs: William Seiple and Sandeep Grover

**8:30 a.m.**

**INVITED LECTURE 2. REHABILITATION IN VISUALLY IMPAIRED CHILDREN: “Coming to Better Terms....with”**

Frans CC Riemslag

**9:00 a.m. OS3-1 To Assess the Functional Activity of the Outer Retinal Layers at the Pseudofovea in Eccentric Fixation**

Ajoy Vincent, Rohit Shetty, Vasudha Naresh,  
 M. Bhanumathi, Bhujang Shetty

**9:15 a.m. OS3-2 Micro-Current Neuromodulation in the Management of Dry Age-Related Macular Degeneration**

Sundaram Natarajan, Mahesh Uparkar, Anjali Khulsange, Darshana Gadgil

**9:30 a.m. OS3-3 Delayed Implicit Time of Pattern Visual Evoked Potentials in Patients with Occult Macular Dystrophy**

Kazhwa Ogata, Shuichi Yamamoto

**9:45 a.m. A Causal Role for the Rods in Retinopathy of Prematurity**

James D. Akula, Ronald M. Hansen, Tara L. Favazza,  
 Tanya C. Vyhovsky, Ilan Y. Benador, Julie A. Mocko, Anne B. Fulton

**10:00 a.m. Break – Foyer FGH**

**10:30 a.m.–12:00 p.m.**

**ORAL SESSION 4. Evaluation of Toxicity and Visual Function**

Chairs: Daphne McCulloch and Mineo Kondo

**10:30 a.m. OS4-1 ERGS During Examination-Under-Anesthesia: Responses of Normal Fellow Eyes**

Scott Brodie, Dawn Desiderio, David H. Abramson

**10:45 a.m. OS4-2 Postnatal Exposure to Bright Light Stimulates Retinal Plasticity**

P. Lachapelle, A. Polosa, E. Zimak, W. Liu, L. Robbe, S. Joly, S.G. Rosolen, S. Chemtob

**11:00 a.m. OS4-3 Long-Term Methamphetamine Abuse Influences Visual Evoked Potentials**

Jan Kremláček, Miroslav Kuba, Ladislav Hosák, Jan Libiger, Jiří Čížek

**11:15 a.m. OS4-4 ERG Effects of Chronic (Daily) Sildenafil or Tadalafil Usage**

Michael F. Marmor, Christopher Zoumalan, Roham T. Zamanian, Ramona L. Doyle, William H. Cordell

**11:30 a.m. OS4-5 Is it Possible to use the Mf ERG to Follow-Up Hydroxychloroquine Therapy in Elderly Patients?**

I. Ingster-Moati, E. Bui Quoc, C. Orssaud, D. Schmitt, Ph. Le Neindre, J.L. Dufier, O. Roche

**11:45 a.m. OS4-6 Using Multifocal ERG Ring Rations to Establish Optimal Dosage Criteria for Hydroxychloroquine Retinal Toxicity**

Jonathan S. Lyons, Matthew L. Severns

**12:00 p.m. LUNCH – Salon EFGH**

**1:00–2:30 p.m.**

**ORAL SESSION 5. Optic Nerve and Glaucoma**

Chairs: Mitchell Brigell and Graham Holder

**1:00 p.m. OS5-1 Visual Electrodagnosis and Visual Outcome in Optic Nerve Hypoplasia (ONH)**

Daphne L McCulloch, Pamela Garcia-Filion, Cassandra Fink, Caroline A. Chaplin, Mark S. Borchert

**1:15 p.m. OS5-2 The Optic Nerve Head Component of the Porcine Multifocal Electroretinogram**  
Rita Buffa, Aphrodite Dracopoulos, Shelley Boyd

**1:30 p.m. OS5-3 Decrease in Sweep VEP Acuity and Contrast Sensitivity in Ocular Hypertensive Rabbits – Induced by Application of Carbopol**

K-M Zhang, L. Ruiz, A. Vilupuru, B. Feldmann, W. Orilla, T. Lin, Y. Li, C. Spada, M. Escobar, C. Ghosn, J. Burke

**1:45 p.m. OS5-4 Long-Term Study of Multifocal Electroretinographic Changes In Experimental Glaucoma in Macaques**

T. Michael Nork, Charlene B. Y. Kim, Gregg A. Heatley, Paul L. Kaufman, Mark J. Lucarelli, Leonard A. Levin, James N. Ver Hoeve

**2:00 p.m. OS5-5 Multifocal-OPs of a two Global Flash Stimulus in POAG and NTG**

Anja M. Palmowski-Wolfe, Margarita G. Todorova, Selim Orguel, Josel Flammer

**2:15 p.m. OS5-6 Pattern ERG in Glaucoma Suspects—New Findings from a Longitudinal Study**

Michael Bach, Thomas Jehle

**2:30 p.m. BREAK**

**3:00 p.m.–4:30 p.m.**

**ORAL SESSION 6. Frontiers in Electrophysiological Testing**

Chairs: Carol Westall & David Keating

**3:00 p.m. OS6-1 The Single and Multifocal M-Sequence Technique and Their Uses in Visual Electrophysiology**

Erich E. Sutter

**3:15 p.m. OS6-2 Mydriasis does not Impair Multifocal VEP Recordings**

Thomas Meigen, Anneliese Friedrich

**3:30 p.m. OS6-3 Accommodation Limits Induced Optical Defocus in Defocus Experiments**

Herbert Jägle, Thomas Brauns

**3:45 p.m. OS6-4 Intricacies of Measuring the mfERG's Luminance Uniformity in Direct and Maxwellian Viewing**

Fabrice Moret, Wolf A. Lagrèze, Michael Bach

**4:00 p.m. OS6-5 Light Adaptation and Dark Adaptation of the Human Visual System**

Rasa Ruseckaite, Allison M. Cameron, Liang Miao, Trevor D. Lamb

#### **4:15 p.m. OS6-6 Precisely Specifying the Bandwidth of Electrodiagnostic Recordings**

A.C. Fisher, S.P. Lake, R.P. Hagan, M.C. Brown

**4:30–6:30 p.m.**

#### **POSTER SESSION B. Retinal Diseases – ERG Methods**

Chairs: Monique Leys and Neal Peachey

##### **PSB 1 Study of Cone Dysfunction in Eyes with Macular Edema**

Weiju Wu, Feng Wen, Shizhou Huang, Guangwei Luo, Dezheng Wu

##### **PSB 2 Multifocal Electroretinographic and Electroretinographic Change of Affected and Fellow Eye with Central Retinal Vein Occlusion (CRVO)**

Manami Kuze, Hisashi Matsubara, Yukitaka Uji

##### **PSB 3 Foveal Thinning in Cases with Occult Macular Dystrophy**

Azza Shehab, Mai Sharawy

##### **PSB 4 Local and Multifocal Electroretinography and Macula Imaging in Stargardt's Disease/Fundus Flavimaculatus**

I. Zolnikova, E.V. Rogatina, I.Z. Karlova

##### **PSB 5 Changes in the Myopic Retina Using Multifocal Electroretinograms, Optical Coherence Tomography and Peripheral Resolution Acuity**

Clive J. Wolsley, Kathryn J. Saunders, Giuliana Silvestri, Roger S. Anderson

##### **PSB 6 Spontaneous Recovery of the Photoreceptor Inner/Outer Segment Line Defect in Eyes with Multiple Evanescent White Dot Syndrome**

Atsuhiko Tanikawa, Eri Nakayasu, Ryo Asano, Masayuki Horiguchi

##### **PSB 7 Bilateral Choroidal Neovascular Membrane as a Presenting Feature of Bests Disease**

Rohit Shetty, Ajoy Vincent, Rajani R Battu, Bhujang Shetty

##### **PSB 8 Dark Adaptometry Following Implantation of Blue Blocker and Aspheric Intraocular Lenses**

Rohit Shetty, Mathew Kurian, Ajoy Vincent, Bhujang Shetty

##### **PSB 9 Syndromic Choroideremia—A Possible Approach to Sublocalization of Phenotypes Associated**

##### **with Martin–Probst Deafness Mental Retardation Syndrome**

C.M. Poloschek, B. Kloeckener-Gruissem, L.L. Hansen, M. Bach, W. Berger

##### **PSB 10 The Importance of Clinical Examination of Patients who come for Electrofunctional Test**

Alma Patrizia Tormene, Morena Masetto, Chiara Riva

##### **PSB 11 Skin Electrodes vs. Corneal Electrodes (Burian–Allen) for ISCEV Standard Full field ERG—Determining a Method to Obtain Repeatable Results**

Mary Flynn Roberts, Elizabeth Warren, Angela VanDyke

##### **PSB 12 Electrical Impedance Measurement on the Sclera/Cornea**

Malcolm Brown, Laura Milner, Anthony Fisher, Richard Hagan

##### **PSB 13 the Insulating Effect of Silicon Oil in Vitrectomized Human Eyes**

Ajoy Vincent, Rohit Shetty, Naresh Kumar Yadav, Priya B Vijayan, Sri Bhargav Natesh, Bhujang Shetty

##### **PSB 14 A Promising S-cone Isolating Protocol**

Josefin Nilsson, Thomas Wright, Carol Westall

##### **PSB 15 The Assessment of the Single-Flash ERG A-Wave Slope by Determination of Derivatives in Different Time Points**

Sergey Rezykh, Irina Tsapenko, Igor Spiridonov, Marina Zueva

##### **PSB 16 Software for the Evaluation of Electroretinograms**

Andre Messias, Herbert Jagle, Florian Gekeler and Eberhart Zrenner

##### **PSB 17 Assessment of Human Dark Adaption Kinetic Using the Electroretinogram B-Wave Amplitude and Dark Adaptometry**

Susanne Kramer, Andre Messias, Eberhart Zrenner and Herbert Jagle

##### **PSB 18 The Photopic Negative Response of the Red on Blue Electroretinogram Using LED Built-in Contact Lens Electrodes on Open Angle Glaucoma.**

Kaoru Fujinami, Rishu Inoue, Toshine Maeda, Toyoka Inoue, Yoichi Inoue, Kazushige Tsunoda, Yozo Miyake

##### **PSB 19 Investigation of Photopic Negative Response in Glaucoma by Focal Electroretinograms**

Hajime Nakamura, Masanori Hangai, Fumitaka Hirose, Tomonari Ojima, Nagahisa Yoshimura

**PSB 20 Microcurrent Neuromodulation in Retinitis Pigmentosa: Report of a Pilot Study**

Subhadra Jalali, Raja Narayanan

**PSB 21 The Leber Congenital Amaurosis Protein, AIPL1, Plays a Direct Role and is Indispensable for Cone Photoreceptor Cells**

Lindsay Michalovicz, Saravanan Kolandaivelu, Visvanathan Ramamurthy

**PSB 22 Treatments of Neovascular Age-Related Macular Degeneration: A Quantitative Review**

J. Vernon Odom, PhD, Ahmed El-Sherbeeney, PhD and Nabil Jabbour, MD

**FREE EVENING: Dinner on Your Own**

**Sunday, July 13, 2008**

**8:00 a.m.** Leave for Fallingwater

**9:30 a.m.** Arrive at Fallingwater/Break

**10:00 a.m.** Introduction—Fallingwater Barn

**10:15 a.m.**

**ORAL SESSION 7. Retinal Structure and Function**

Chairs: Jonathan Lyons and Masayuki Horiguchi

**10:15 a.m.**

**INVITED LECTURE 3. Low Vision Care and Electrophysiology: From a Clinical Point of View**

Kenji Yanashima

**11:00 a.m. OS7-1 Objective Assessment of Retinal Functions of Subjects with Advanced Retinal Degeneration in Clinical Trials**

R. Wilke, M. Bach, A. Schatz, T. Strasser, H. Benav, A. Messias

**11:15 a.m. OS7-2 Clinical and Electrophysiologic Characteristics of a Large Kindred with X-Linked Retinitis Pigmentosa Associated with the RPGR Locus**

Byron L. Lam, Audina Berrocal, Tania Arguello, William Feuer, Mu Liu, Ditte Hess, Michelle Caputo, Maria Berrocal, Alexandra Weisman, Edwin M. Stone

**11:30 a.m. OS7-3 Meeting the Challenge of Reliable Electrophysiological Retinal Function Testing in Multi-Centre Trials: State of**

**Development of the “ISCEV Protocols for Clinical Trials”**

Eberhart Zrenner

**11:45 a.m. Lunch**

**12:45 p.m.** Departure for Tours

**1:00 p.m.** Fallingwater/Kentuck Knob

**6:30 p.m. Dinner (Barbeque- Roast)**

Music by Stewed Mulligan and Square Dance called by Taylor Runner

**9:30 p.m.** Leave for Morgantown

**11:00 p.m.** Arrive at Morgantown

**Monday, July 14, 2008**

**8:30 a.m.–5:30 p.m.**

Registration – Foyer ABC

**8:30 a.m.–10:00 a.m.**

**ORAL SESSION 8. Imaging and Visual Electrophysiology**

Chairs: Marko Hawlina and Colin Barber

**8:30 a.m.**

**INVITED LECTURE 4. Inner Retinal Sequelae of Outer Retinal Disease: Analysis of ERG Components in the RCS Rat**

Paul A. Sieving (with Ronald A. Bush, Dorit Raz, Shigeki Machida)

**9:00 a.m. OS8-1 Simultaneous Recording of Near-Infrared Spectroscopy and Visual Evoked Potentials in Normal Human Subjects**

Kazuhiko Tanabe, Atsushi Mizota, Minoru Tanaka, Ichiro Shimoyama

**9:15 a.m. OS8-2 Association between Functional Markers and Structural Retinal Changes in Adolescents with Type I Diabetes**

Ekta Lakhani, Thomas Wright, Giuseppe Mirabella, Peter Glazer, Carol Westall

**9:30 a.m. OS8-3 Sensitivity and Specificity of PERG in Relation to Stimulus Field Size and OCT in Patients with Stargardt’s Disease**

Eva Lenassi, Darko Perovšek, Martina Jarc-Vidmar, Petra Popovič, Marko Hawlina



**9:45 a.m. OS8-4 Multimodal Imaging: A New Tool to Investigate the Relationship between Macular Structure and Function in Retinal Disease**

S.M. Walker, S. Parks, D. Keating

**10:00 a.m. Break**

**10:30 a.m.–12:15 p.m.**

**ORAL SESSION 9. Hereditary Retinal Diseases**

Chairs: Alma Patrizia Tormene and Enid Chelva

**10:30 a.m. OS9-1 A Novel Approach Analyzing Multifocal ERGs: Spatiotemporal Partial Least Squares (ST-PLS)**

Thomas Wright, Filomeno Cortese, Carol Westall

**10:45 a.m. OS9-2 On the Differentiation between Fundus Albipunctatus and Retinitis Punctata Albescens**

G.I. Holder, E. Sohn, L. Zheng, V.M. McBain,, A.G. Robson, A.R. Webster,

**11:00 a.m. OS9-3 Progression of Retinal Dystrophy in Mucopolipidosis IV—An Electroretinographic Study**

Rafael C. Caruso, Raphael Schiffmann, Janine A. Smith, Ehud Goldin

**11:15 a.m. OS9-4 Negative ERG in a Patient with Subacute Sclerosing Panencehalitis**

Hiroko Yamazaki, Chai Yuzhu, Yutaka Nonoda, Asako Arai, Eiji Nakagawa, Makiko Kaga

**11:30 a.m. OS9-5 CSNB Caused by a Novel Nonsense Mutation in CABP4 is Characterized by Severe Cone Dysfunction, but Normal Scotopic Vision and Normal Primary Rod Pathway**

Maria van Genderen, Karin Littink, Frans Riemsdag, Frans Cremers, Ingeborgh van den born

**11:45 a.m. OS9-6 The Sensitivity and Specificity of ISCEV Standard ERGs and EOGs when Discriminating Normal, Retinitis Pigmentosa, and Mixed Disease**

Vaegan and Stephanie Yeo

**12:00 p.m. OS9-7 Principal Component Analysis of Multifocal Electroretinogram in Retinitis Pigmentosa**

Aniruddha Maiti, Mahesh Uparkar, Sundaram Natarajan

**12:15 p.m. Lunch – Salon EFGH**

**1:00 p.m.–3:00 p.m.**

**POSTER SESSION C. Electrophysiological Testing: EOG, MFERG, VEP Methods**

Chairs: Subhatra Jalali and Scott Brodie

**PSC-1 Hypotension and Electro-oculogram**

Yuzo Myake, Atsuhiko Tanikawa, Mitsuo Sugimoto, Masayuki Horiguchi

**PSC-2 Bilateral Maculopathy with Subretinal Neovascularization in a Patient with Charcot–Marie Tooth Disease**

Richard MacMaster Francis, Jr., Lionel Chisholm, Monique Leys

**PSC-3 Retinal Function in Diabetic Retinopathy with Macular Edema**

Mariam Arakelian, Natalia Mansurina, Yulia Bardeeva, Angelika Shamshinova

**PSC-4 Characteristics of Global Flash Multifocal Electroretinogram (mfERG) under Different Combinations of Global and Focal Flash Luminance**

Jenny CY Lung, Patrick HW Chu, YF Ng, Henry HL Chan

**PSC-5 The Techniques and the System for Multifocal Electroretinography**

Aram Arakelyan

**PSC-6 Electrophysiological and Morphological Changes after Intravitreal Bevacizumab Injection in Patients with Macular Edema and Choroidal Neovascularization**

Young-Hoon Ohn, Soo Young Lee, Hyun Joon Lee

**PSC-7 Multifocal Electroretinogram Progression in Patients with RP**

Karen Holopigian, Jenny M. Gallardo, William Seiple, William H. Swanson, Ronald E. Carr

**PSC-8 Foveal Dystrophy or Dysfunction: A Clinical Entity**

N. Khan, J.R. Heckenlively

**PSC-9 Correlation between Vertical Kinetic Visual Acuity and Visual Evoked Potential in Patients with Unilateral Optic Neuritis**

Yujin Mochizuki, Atsushi Mizota, Minoru Tanaka, Yoshimitsu Kohmura, Hiroshi Yoshigi

**PSC-10 Blue Fixation Stimulus to Record Pattern VEP in Optic Nerve Disease**

Rohit Shetty, Ajoy Vincent, Bhujang Shetty

**PSC-11 Abnormal Pattern Visual Evoked Potential in Occult Macular Dystrophy—Is it the Nerve?**

Ranjana Mathur, Doric Wong, Kuang Wen  
**PSC-12 Recording of Visual Evoked Potential  
 in Photophobia Patients**

Maryam Mirdehghan, S.M. Shushtarian,  
 M.S. Mirdehghan

**PSC-13 VEPS in Response to Cone Isolating Stimuli  
 in College Students with Reading Discomfort**

William H. Ridder, III, Christopher Chase, Chinatsu  
 Tosha, Anna Tong, Dani Smith, Eric Borsting

**PSC-14 Effect of Whole Body Vibration on Visual  
 System Using Visual Evoked Potentials**

Aryandokht Fotros, Seyed Mohammad Mehdi  
 Shushtarian

**PSC-15 Retinal (Macular) Diseases are  
 Distinguished Easier from Optic Neuropathies  
 if Electrophysiology is Complemented by  
 Optical Coherence Tomography (OCT)**

Hannes Wildberger, Daniel Barthelmes, Oliver  
 Bergamin

**PSC-16 Effects of Nicotine on the Adult  
 Electroretinogram**

S.B. Varghese, E.E. Hartmann, J.C. Reid,  
 K.T. Keyser

**PSC-17 The Fast and Slow Oscillations  
 of the EOG in Diabetes**

Marilyn E. Schneck, Leslie Shupenko and  
 Anthony J. Adams

**PSC-18 ERG Response Smearing into ‘Unused’  
 M-Sequences at Fast Stimulation Rates**

R.P. Hagan, A.C. Fisher, M.C. Brown

**PSC-19 Transfer Functions for Rescaling  
 Electroretinograms Obtained with Two  
 Different Translid DTL Electrodes**

Vaegan, Anthony C. Fisher and Tom Wright

**PSC-20 Retinal Functional and Morphometric  
 Analysis of Intravitreal Triamcinolone Acetonid  
 Injection in Diffuse Diabetic Macular Edema:  
 Optical Coherence Tomography and Multifocal  
 Electroretinogram Study**

Fatih C. Gundogan, Serdar Memisoglu,  
 Ali H. Durukan.

**2:30–3:00 p.m.**

Poster Session Continues with Break – Foyer FGH

**3:00–3:45 p.m.**

**The EMIKO ADACHI LECTURE 2008**

Adachi Award Introduction: Joseph Harrison  
**Maculas, Monkeys, Metabolism, Aging, and AMD**  
 William W. Dawson

**4:00–5:30 p.m. Membership Meeting**

**6:30–7:00 p.m. Reception**

**7:00–11:00 p.m.**

**Gala Dinner**

8:00 p.m. Recognition of Local Organizers

Awards: Dodt Award; Adachi Award

Mitchell Brigell

ISCEV OLYMPICS: Colin Barber as MC

9:00 pm. Music and Dancing

**Tuesday, July 15, 2008**

9:30 a.m.–12:00 p.m. Tour of WVU Eye Institute

12:00–1:00 p.m. Lunch – John Jones Conference  
 Center

Social Activities

ISCEV Golf Tournament